

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\
 Data File : VX021351.D
 Acq On : 22 Mar 2021 12:40
 Operator : JC/MD
 Sample : M1755-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 23 01:59:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

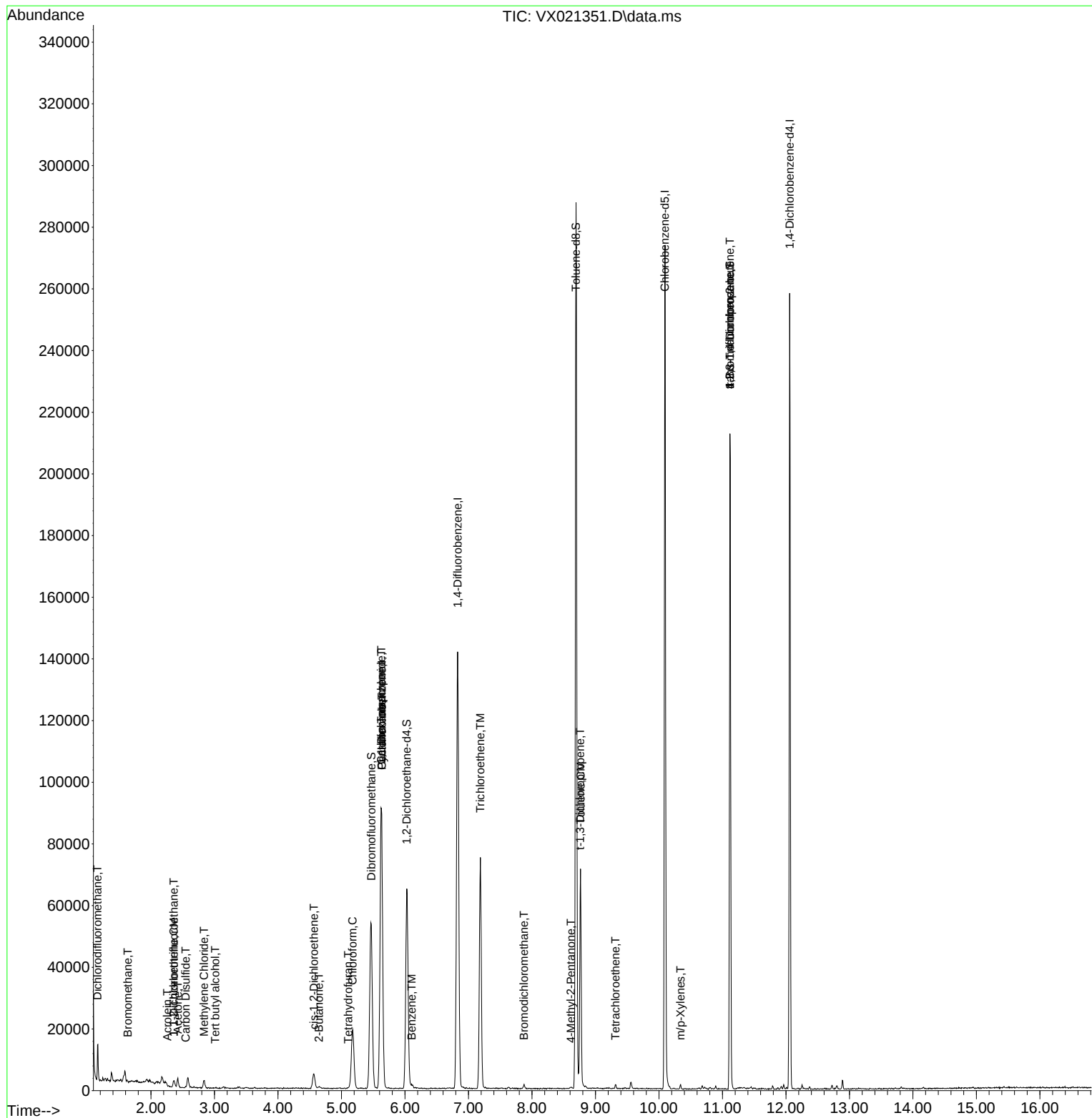
Internal Standards						
1) Pentafluorobenzene	5.635	168	79504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	134166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	113871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63795	48.92	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.84%
35) Dibromofluoromethane	5.470	113	45443	49.78	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.56%
50) Toluene-d8	8.694	98	160942	48.59	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.18%
62) 4-Bromofluorobenzene	11.118	95	55455	43.11	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.22%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.158	85	432	0.45	ug/l	84
3) Chloromethane	1.316	50	886	Below	Cal	94
5) Bromomethane	1.634	94	91	0.22	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.358	101	680	0.82	ug/l #	91
11) Tert butyl alcohol	3.011	59	89	0.41	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	268	0.33	ug/l #	95
13) Acrolein	2.258	56	37	3.40	ug/l #	77
16) Acetone	2.422	43	3239	6.75	ug/l	91
17) Carbon Disulfide	2.546	76	424	0.71	ug/l #	56
20) Methylene Chloride	2.834	84	1096	1.11	ug/l	98
25) 2-Butanone	4.646	43	1090	1.48	ug/l #	85
27) cis-1,2-Dichloroethene	4.564	96	2721	2.62	ug/l	98
29) Tetrahydrofuran	5.105	42	215	0.44	ug/l #	34
30) Chloroform	5.176	83	21985	12.18	ug/l	99
31) Cyclohexane	5.635	56	2196	1.39	ug/l #	34
36) 1,1-Dichloropropene	5.629	75	7269	5.38	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8967	6.39	ug/l #	18
40) Benzene	6.105	78	1153	0.31	ug/l	100
44) Trichloroethene	7.188	130	25828	26.10	ug/l	98
47) Bromodichloromethane	7.876	83	854	0.58	ug/l #	94
51) 4-Methyl-2-Pentanone	8.611	43	487	0.33	ug/l #	32
52) Toluene	8.764	92	24160	10.49	ug/l	95
53) t-1,3-Dichloropropene	8.758	75	393	0.25	ug/l #	1
64) Tetrachloroethene	9.317	164	240	0.28	ug/l #	68
68) m/p-Xylenes	10.341	106	320	0.21	ug/l	93
76) 1,2,3-Trichloropropane	11.118	75	31992	29.27	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	31992	79.47	ug/l #	12

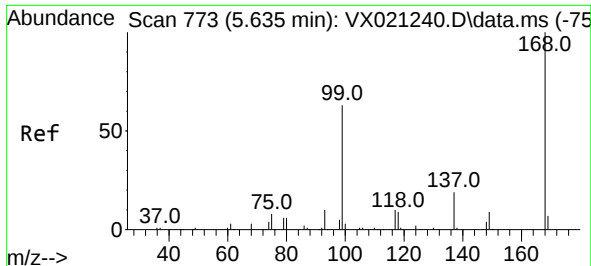
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\
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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Mar 23 01:59:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

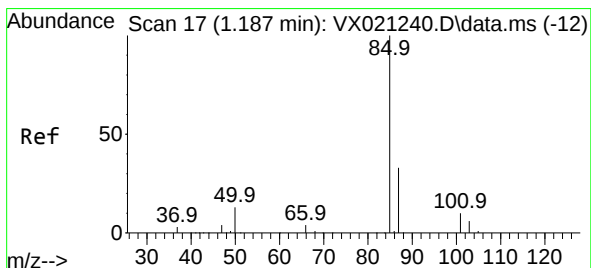
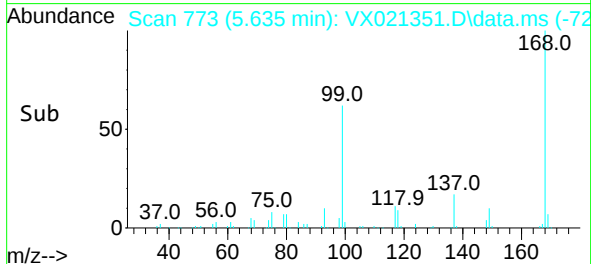
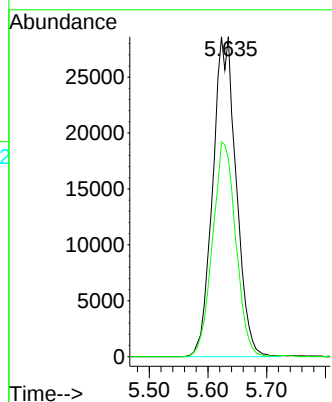
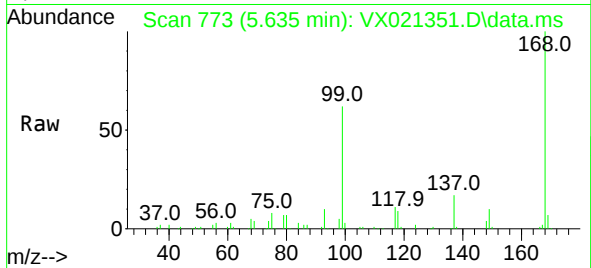




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

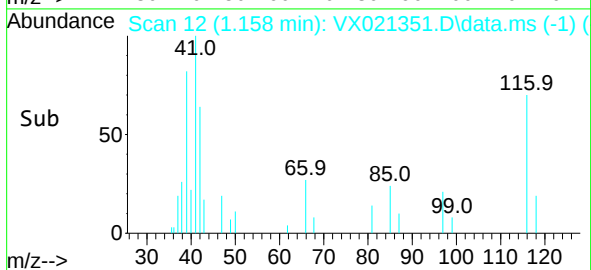
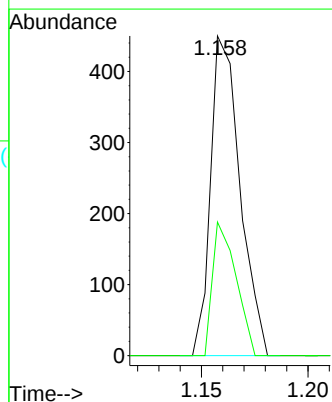
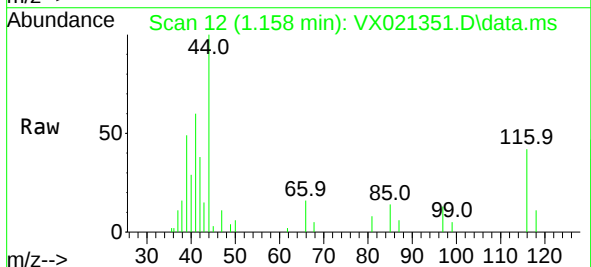
Instrument :
MSVOA_X
ClientSampleId :

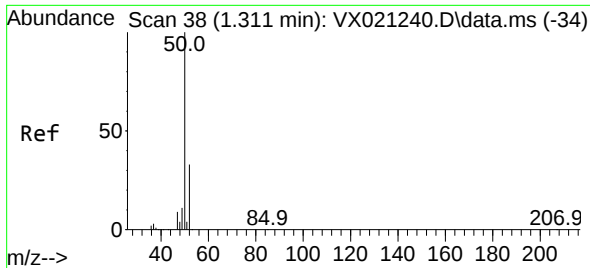
Tgt Ion:168 Resp: 79504
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.45 ug/l
RT: 1.158 min Scan# 12
Delta R.T. -0.029 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

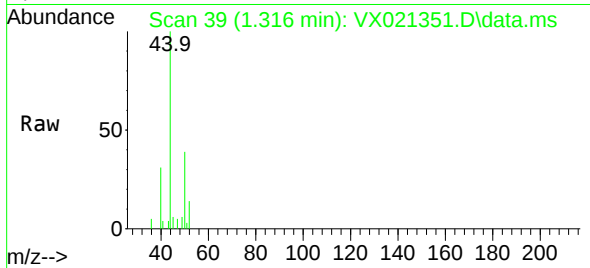
Tgt Ion: 85 Resp: 432
Ion Ratio Lower Upper
85 100
87 41.8 16.4 49.2



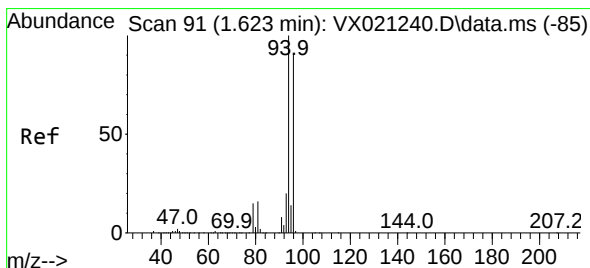
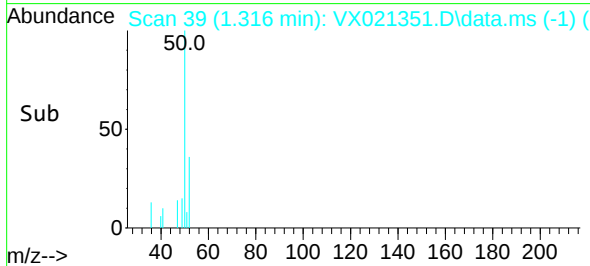
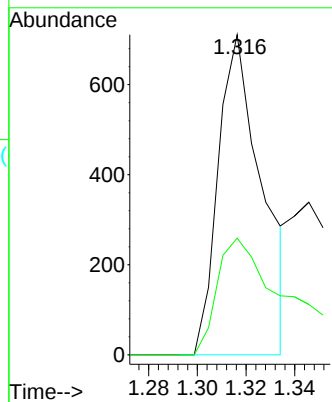


#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Instrument :
MSVOA_X
ClientSampled :

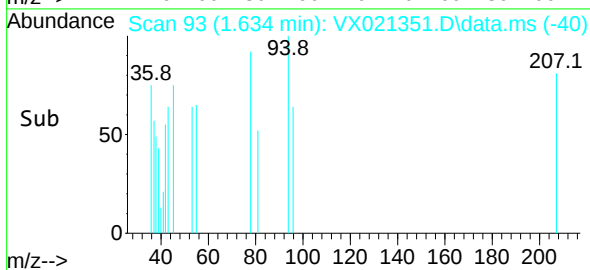
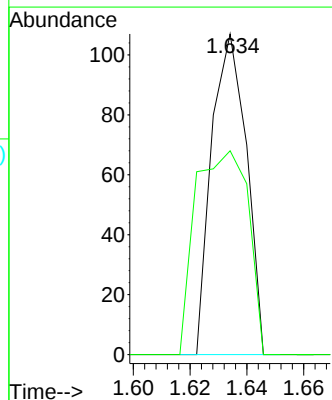
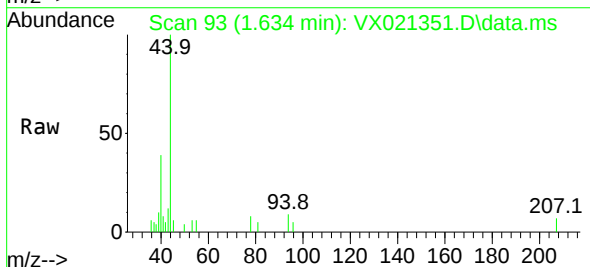


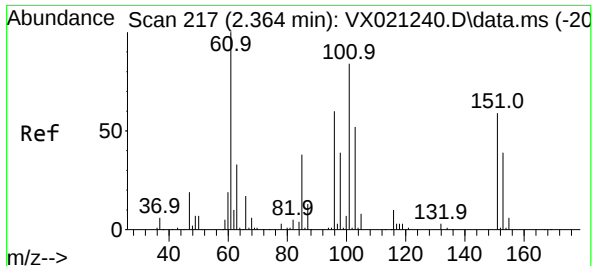
Tgt Ion: 50 Resp: 886
Ion Ratio Lower Upper
50 100
52 36.4 26.4 39.6



#5
Bromomethane
Concen: 0.22 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 63.6 76.4 114.6#

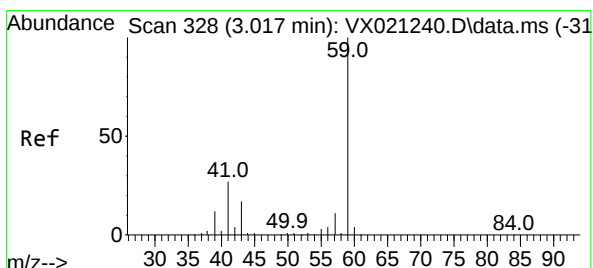
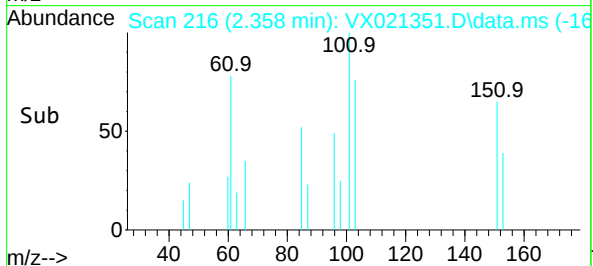
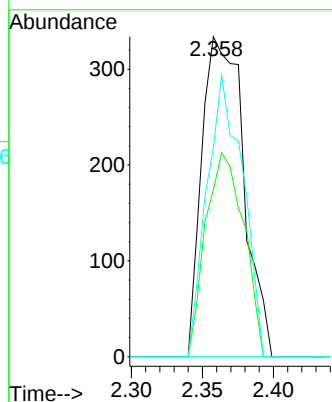
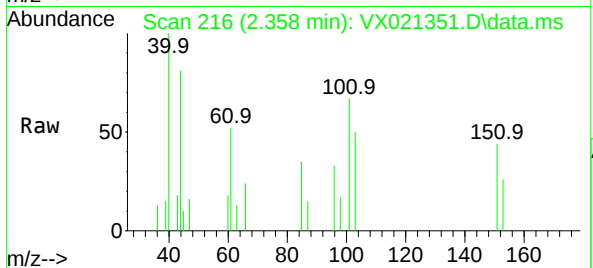




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.82 ug/l
RT: 2.358 min Scan# 216
Delta R.T. -0.006 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

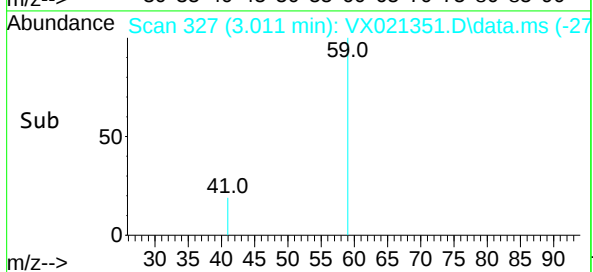
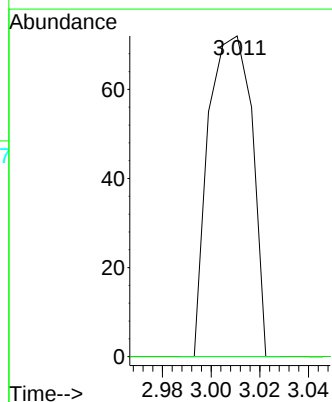
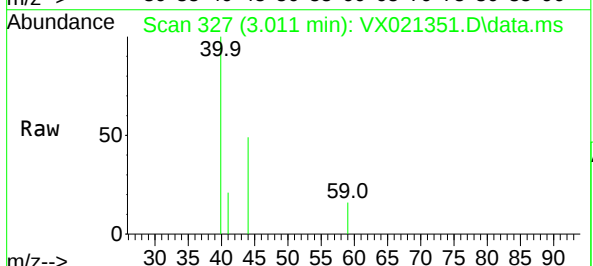
Instrument :
MSVOA_X
ClientSampled :

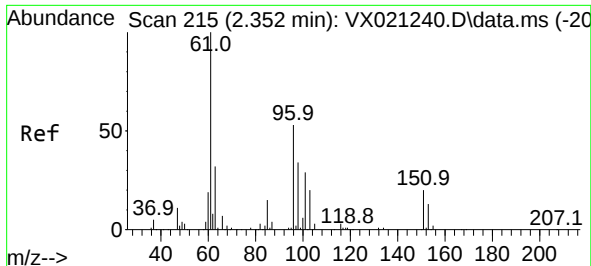
Tgt Ion:101 Resp: 680
Ion Ratio Lower Upper
101 100
85 58.5 34.9 52.3#
151 75.7 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.41 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.33 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

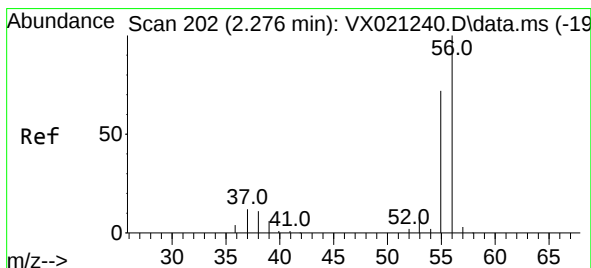
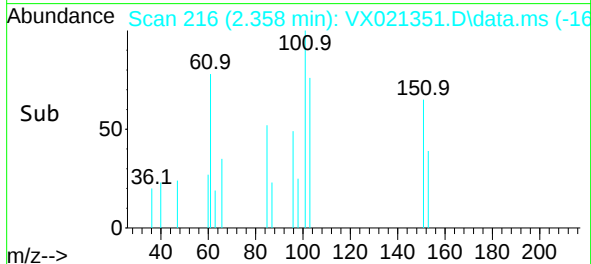
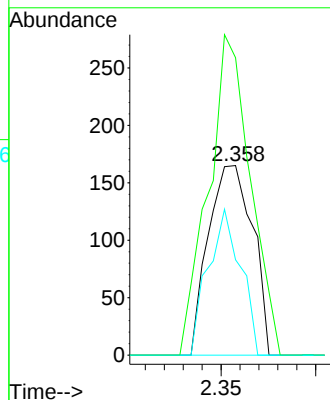
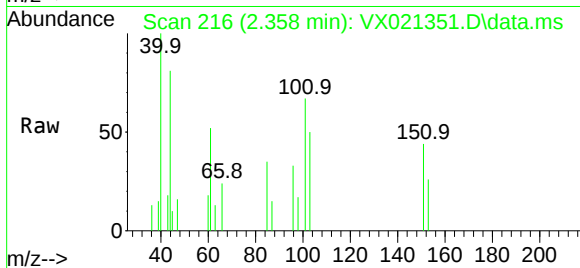
Tgt Ion: 96 Resp: 268

Ion Ratio Lower Upper

96 100

61 157.0 124.6 187.0

98 50.3 50.6 76.0#



#13

Acrolein

Concen: 3.40 ug/l

RT: 2.258 min Scan# 199

Delta R.T. -0.018 min

Lab File: VX021351.D

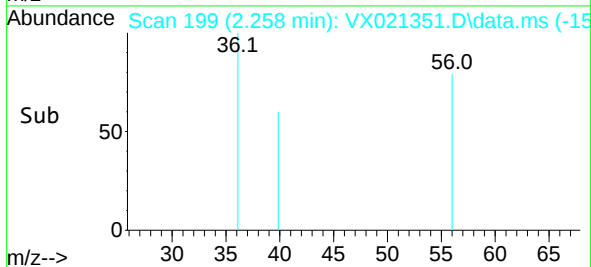
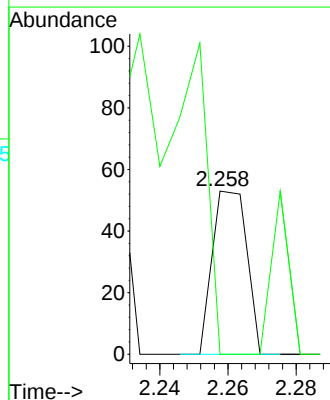
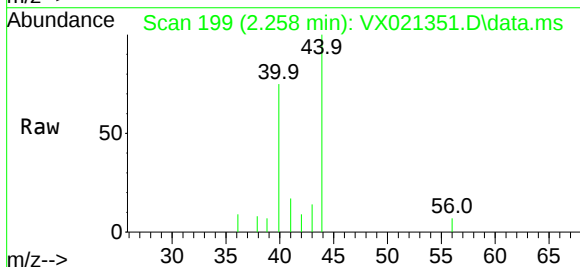
Acq: 22 Mar 2021 12:40

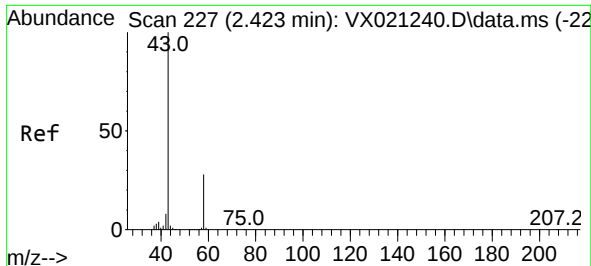
Tgt Ion: 56 Resp: 37

Ion Ratio Lower Upper

56 100

55 51.4 56.4 84.6#

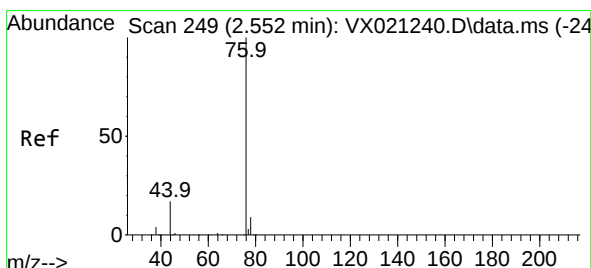
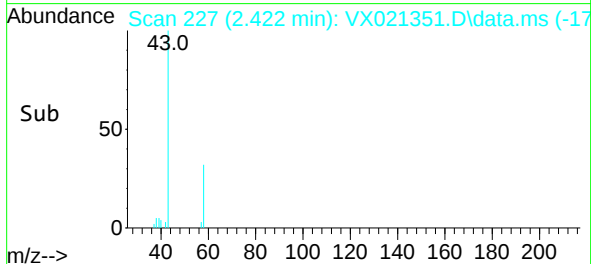
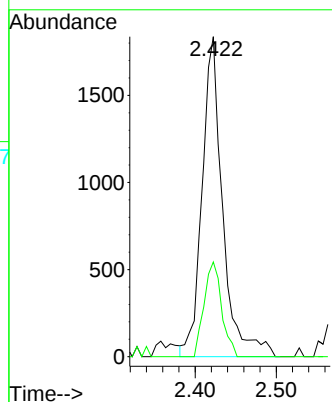
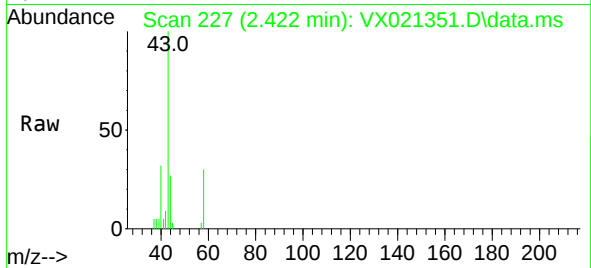




#16
Acetone
Concen: 6.75 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

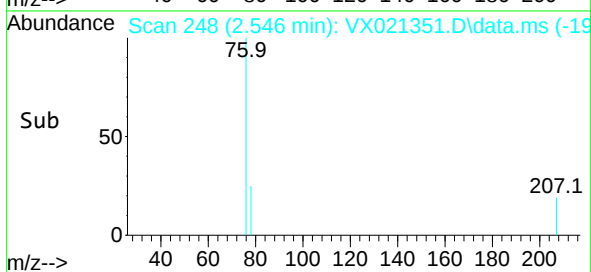
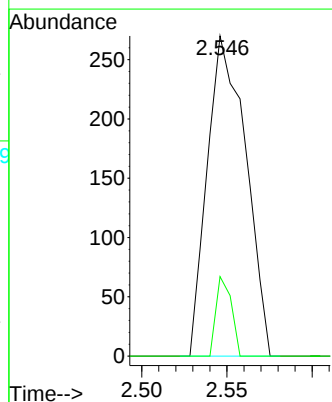
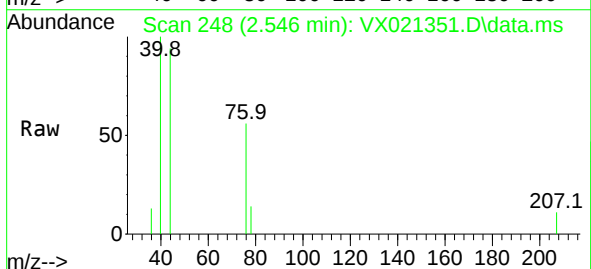
Instrument :
MSVOA_X
ClientSampleId :

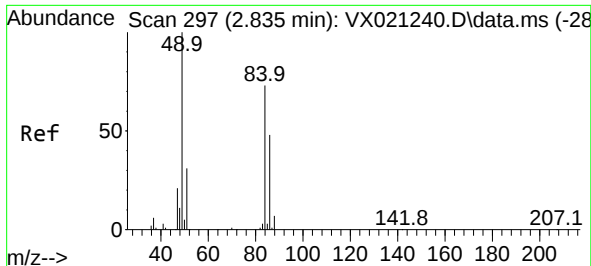
Tgt Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
58 29.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.71 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 76 Resp: 424
Ion Ratio Lower Upper
76 100
78 24.8 7.2 10.8#





#20

Methylene Chloride

Concen: 1.11 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

Tgt Ion: 84 Resp: 1096

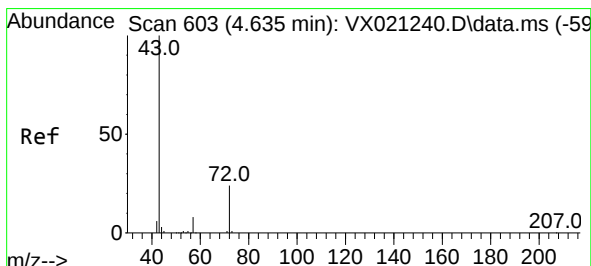
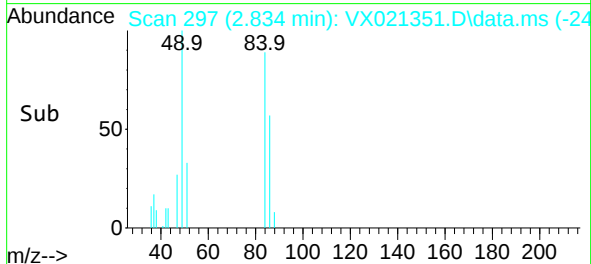
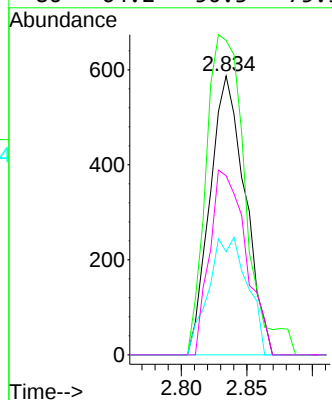
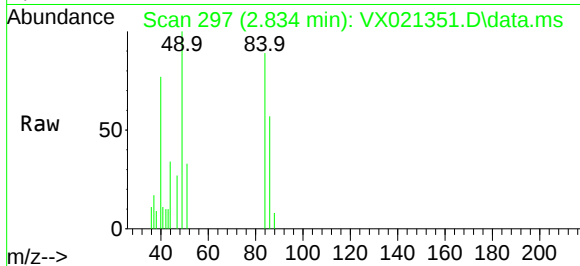
Ion Ratio Lower Upper

84 100

49 112.8 88.6 132.8

51 37.0 27.0 40.6

86 64.2 50.3 75.5



#25

2-Butanone

Concen: 1.48 ug/l

RT: 4.646 min Scan# 605

Delta R.T. 0.011 min

Lab File: VX021351.D

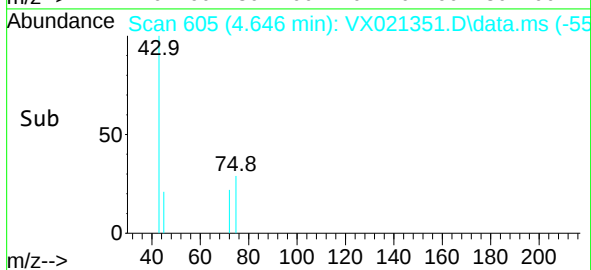
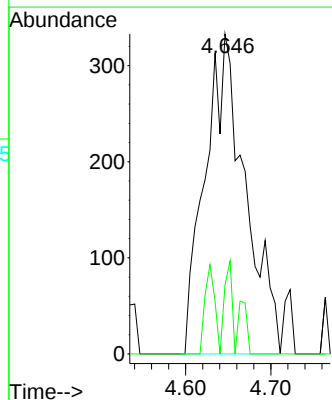
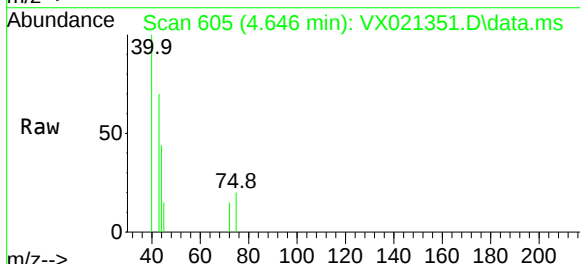
Acq: 22 Mar 2021 12:40

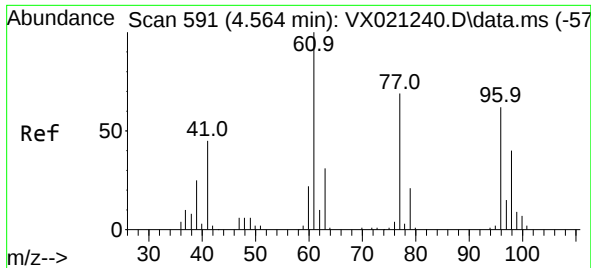
Tgt Ion: 43 Resp: 1090

Ion Ratio Lower Upper

43 100

72 21.6 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 2.62 ug/l

RT: 4.564 min Scan# 591

Delta R.T. -0.000 min

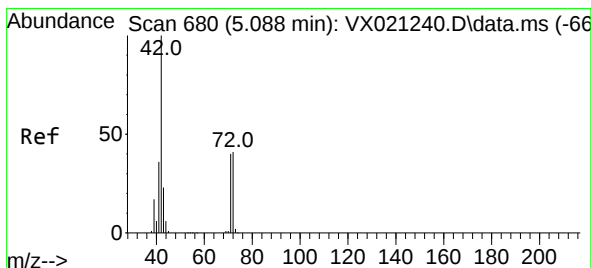
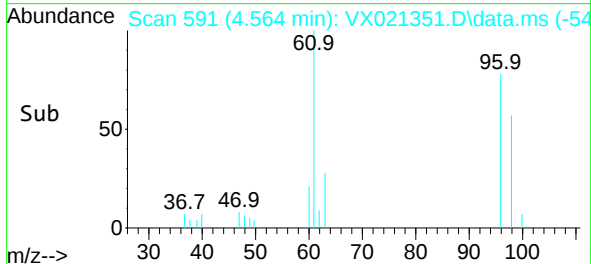
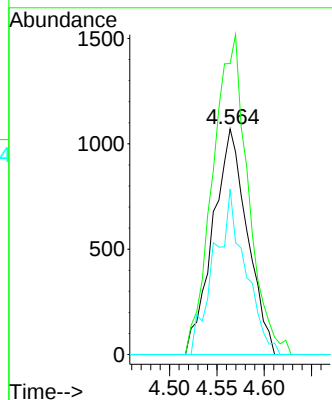
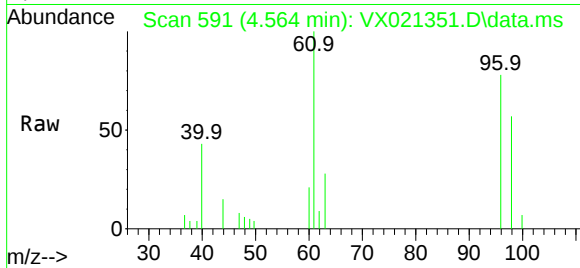
Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

Tgt Ion: 96 Resp: 2721

Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	285.6
98	66.2	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.105 min Scan# 683

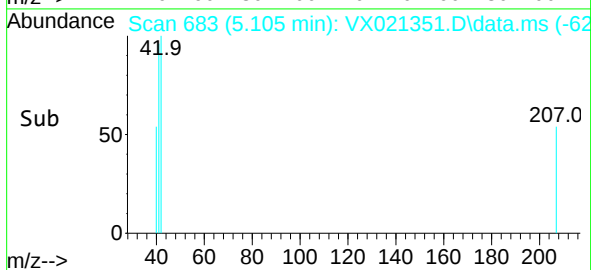
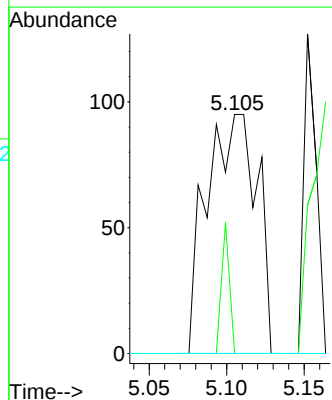
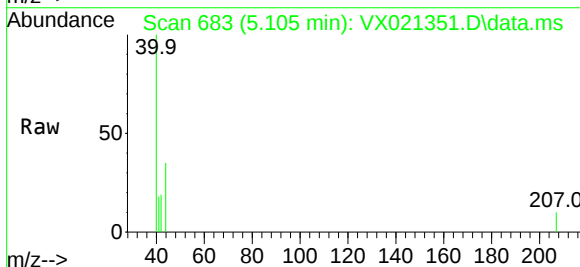
Delta R.T. 0.017 min

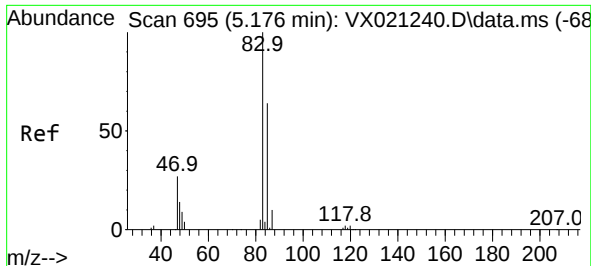
Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

Tgt Ion: 42 Resp: 215

Ion	Ratio	Lower	Upper
42	100		
72	8.4	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 12.18 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

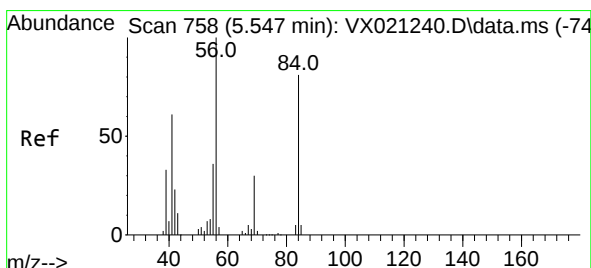
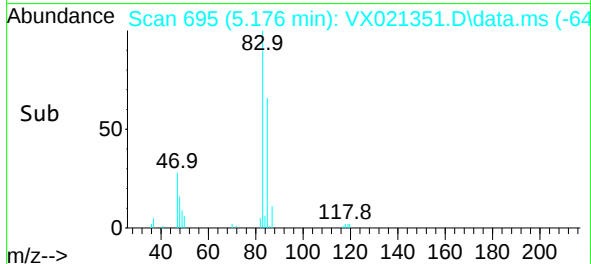
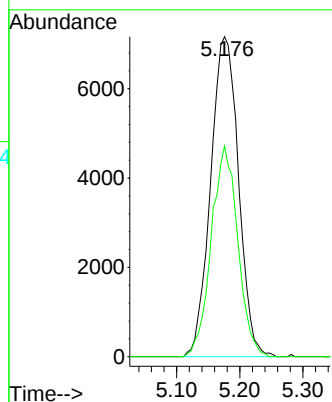
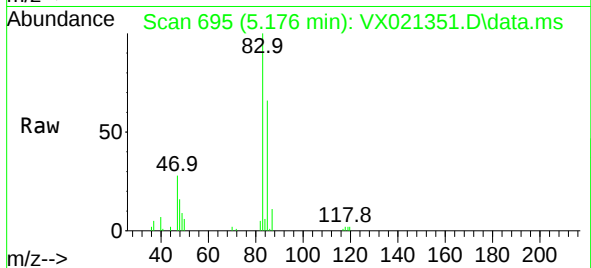
Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

Tgt Ion: 83 Resp: 21985

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.0	78.0

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.39 ug/l

RT: 5.635 min Scan# 773

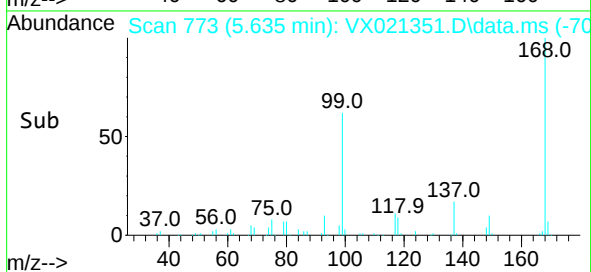
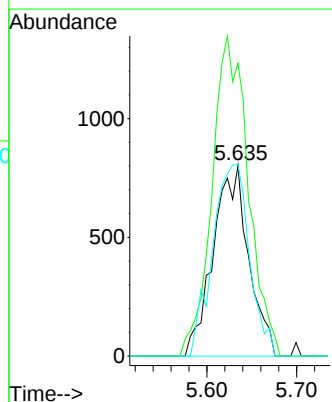
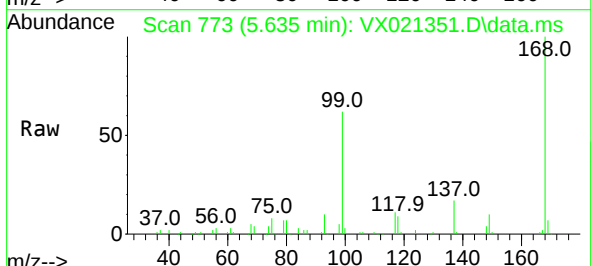
Delta R.T. 0.088 min

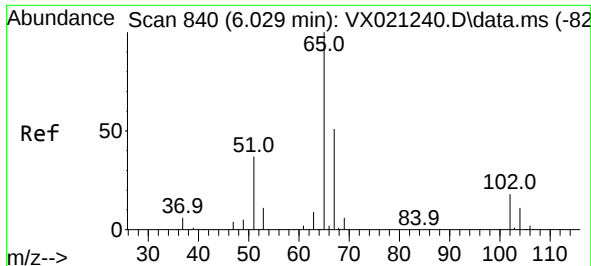
Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

Tgt Ion: 56 Resp: 2196

Ion	Ratio	Lower	Upper
56	100		
69	153.5	25.3	37.9#
84	100.2	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 48.92 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

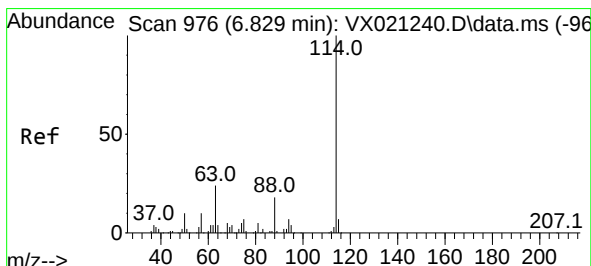
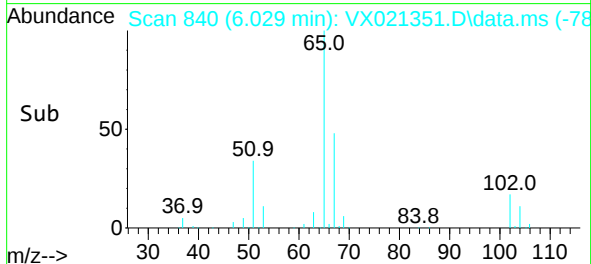
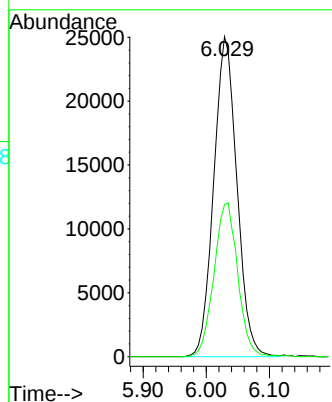
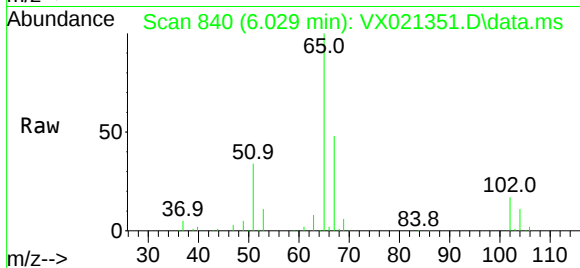
Lab File: VX021351.D

Acq: 22 Mar 2021 12:40

Tgt Ion: 65 Resp: 63795

Ion Ratio Lower Upper

65	100		
67	49.3	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

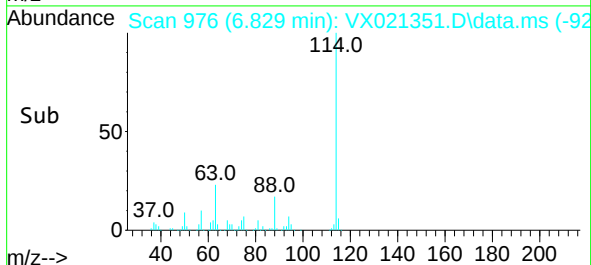
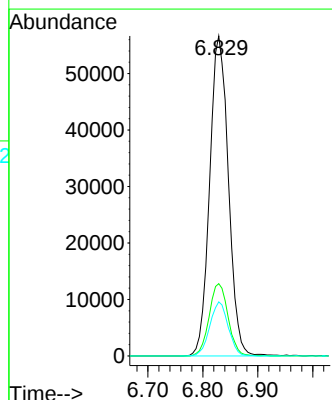
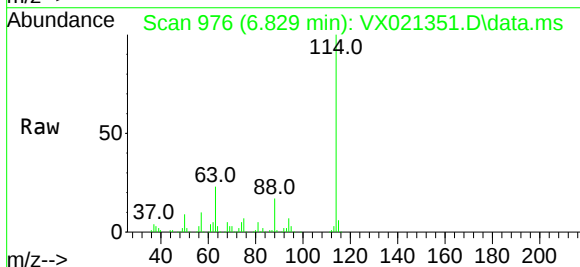
Lab File: VX021351.D

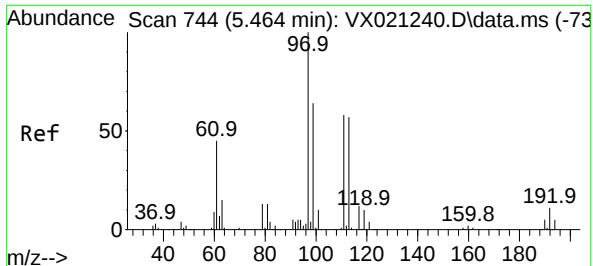
Acq: 22 Mar 2021 12:40

Tgt Ion: 114 Resp: 134166

Ion Ratio Lower Upper

114	100		
63	22.6	0.0	40.8
88	16.9	0.0	32.8

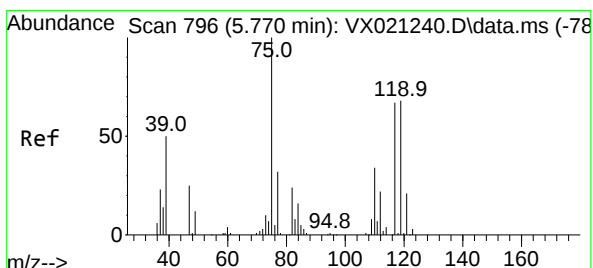
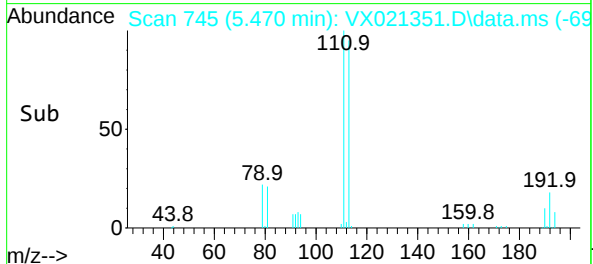
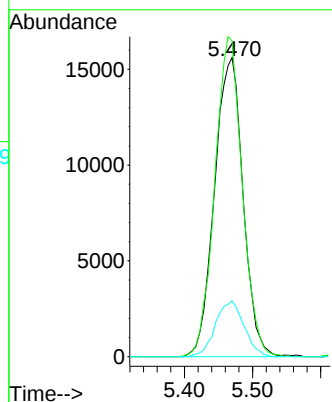
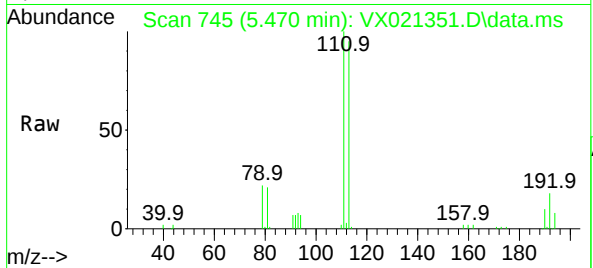




#35
Dibromofluoromethane
Concen: 49.78 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

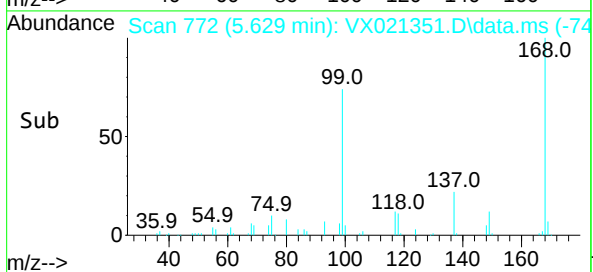
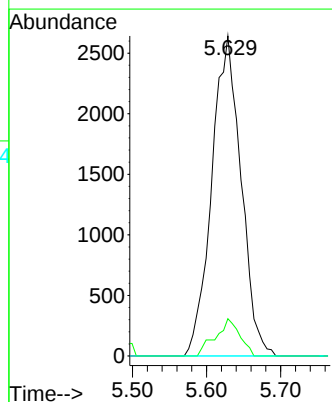
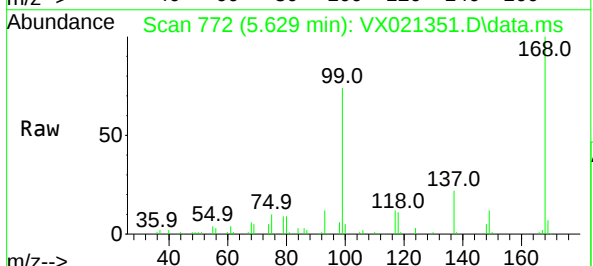
Instrument :
MSVOA_X
ClientSampleId :

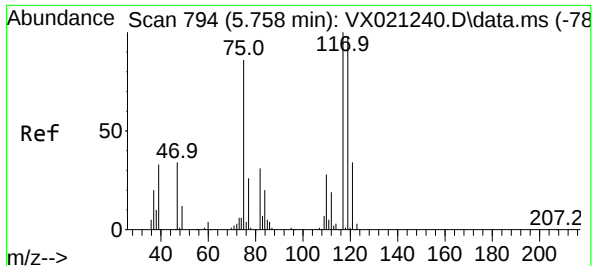
Tgt Ion:113 Resp: 45443
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.38 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

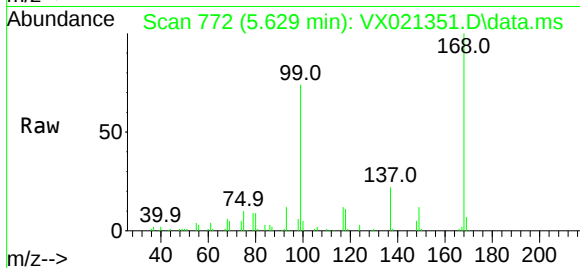
Tgt Ion: 75 Resp: 7269
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



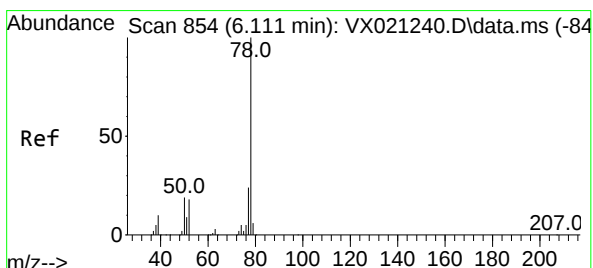
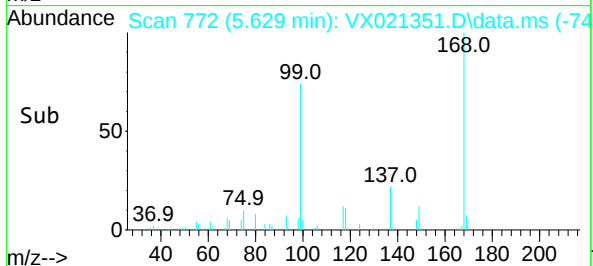
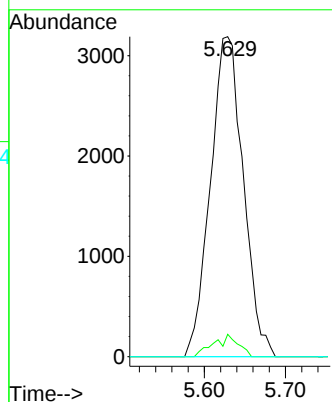


#38
Carbon Tetrachloride
Concen: 6.39 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Instrument :
MSVOA_X
ClientSampled :

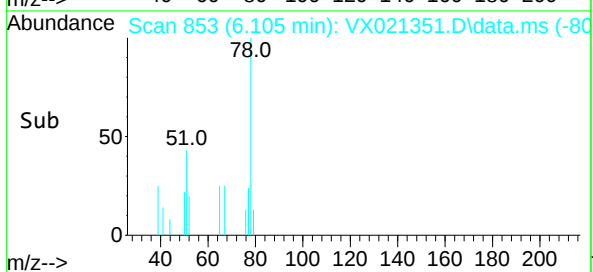
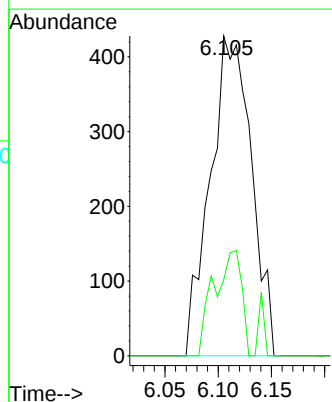
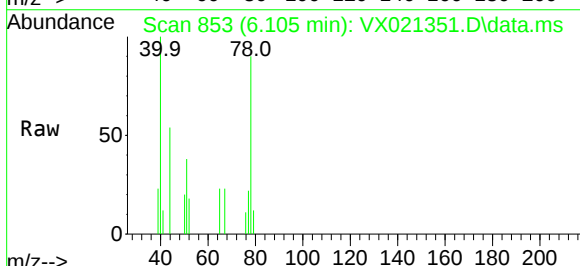


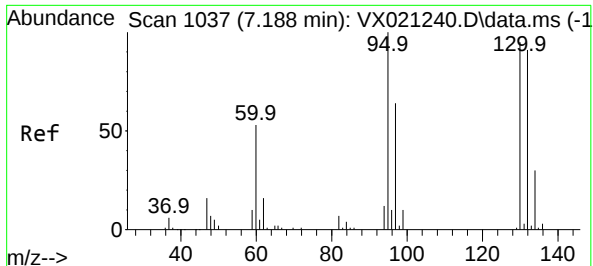
Tgt Ion:117 Resp: 8967
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.31 ug/l
RT: 6.105 min Scan# 853
Delta R.T. -0.006 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 78 Resp: 1153
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

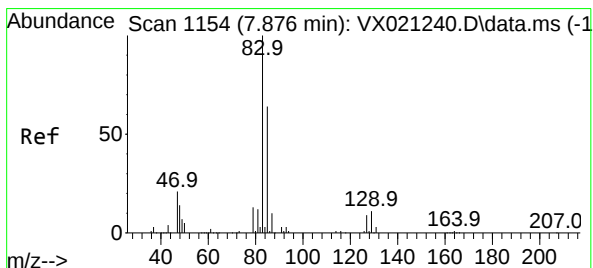
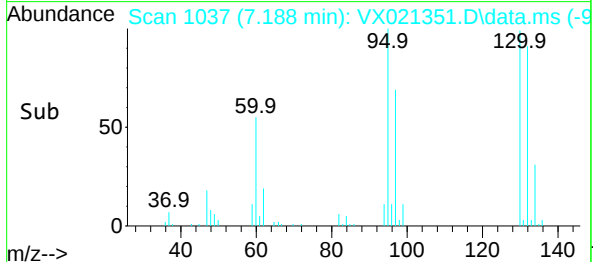
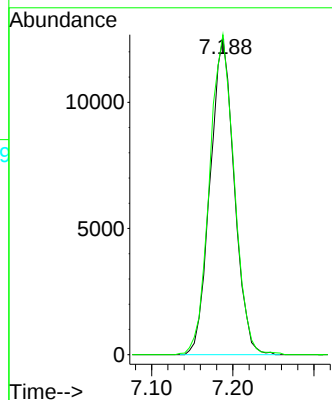
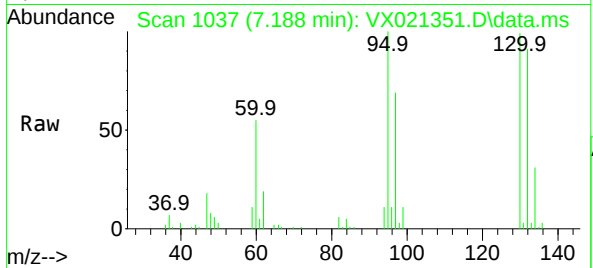




#44
Trichloroethene
Concen: 26.10 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

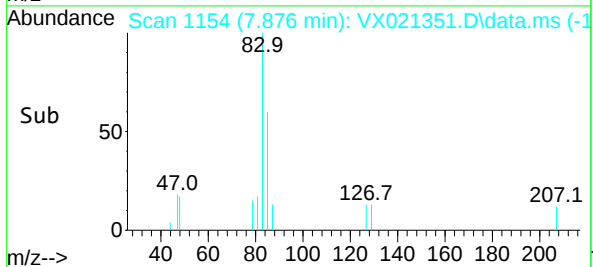
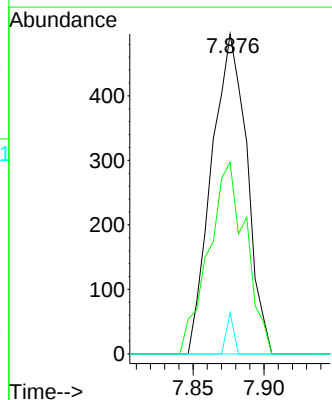
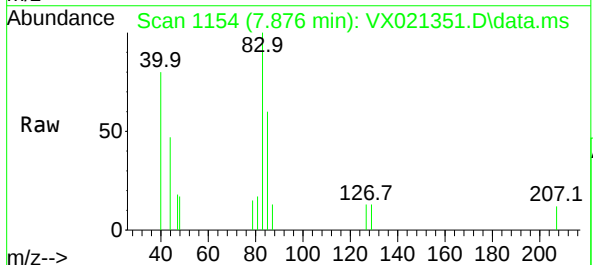
Instrument :
MSVOA_X
ClientSampled :

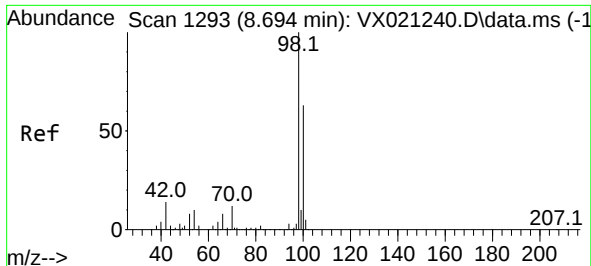
Tgt Ion:130 Resp: 25828
Ion Ratio Lower Upper
130 100
95 100.7 0.0 198.0



#47
Bromodichloromethane
Concen: 0.58 ug/l
RT: 7.876 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 83 Resp: 854
Ion Ratio Lower Upper
83 100
85 59.9 51.4 77.0
127 12.9 6.8 10.2#

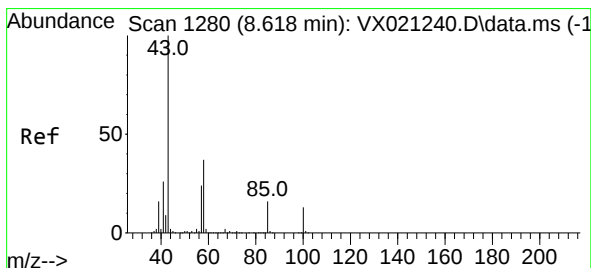
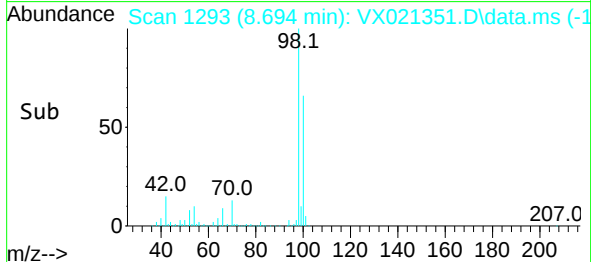
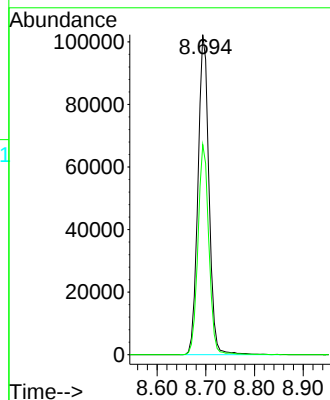
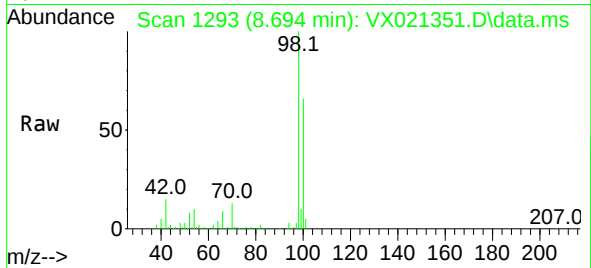




#50
Toluene-d8
Concen: 48.59 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

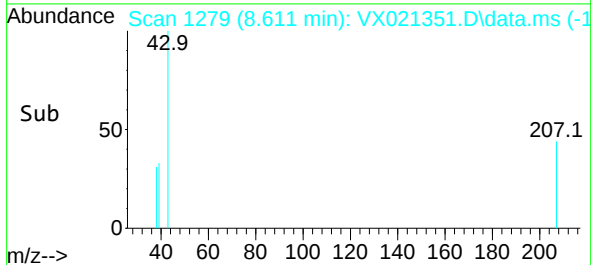
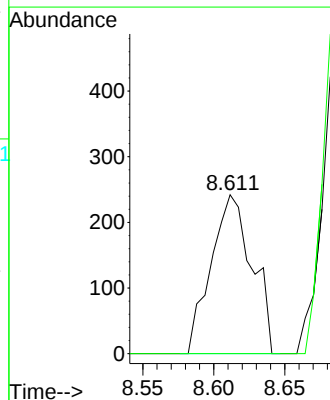
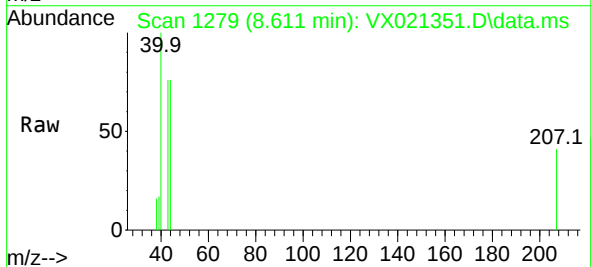
Instrument :
MSVOA_X
ClientSampled :

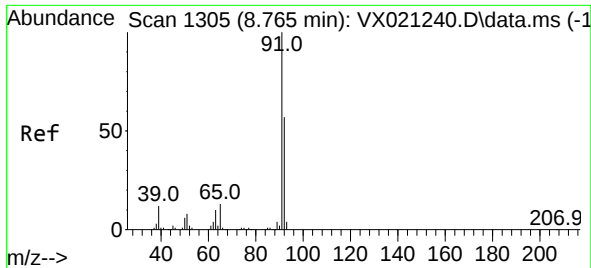
Tgt Ion: 98 Resp: 160942
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.33 ug/l
RT: 8.611 min Scan# 1279
Delta R.T. -0.007 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#

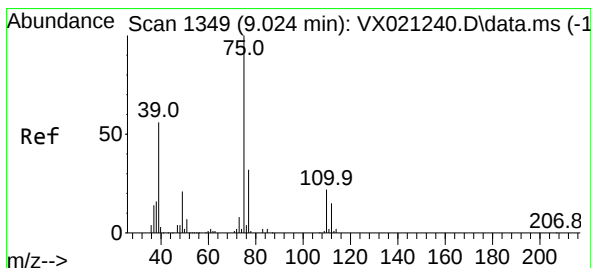
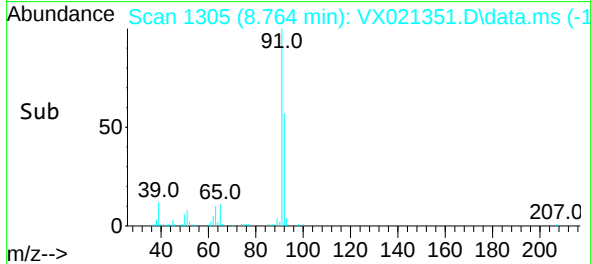
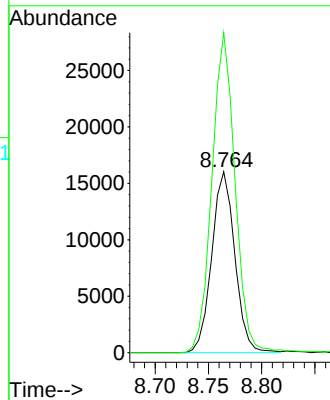
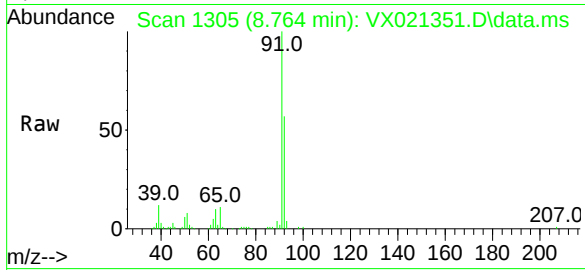




#52
Toluene
Concen: 10.49 ug/l
RT: 8.764 min Scan# 1305
Delta R.T. -0.001 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

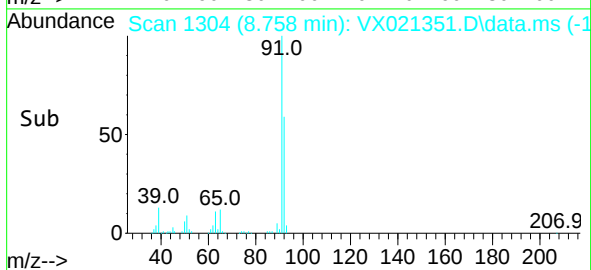
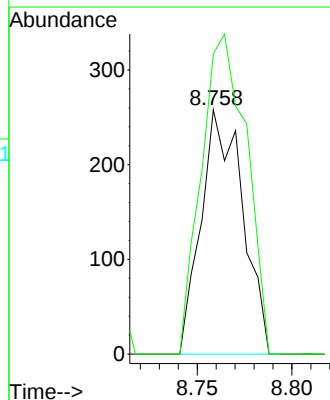
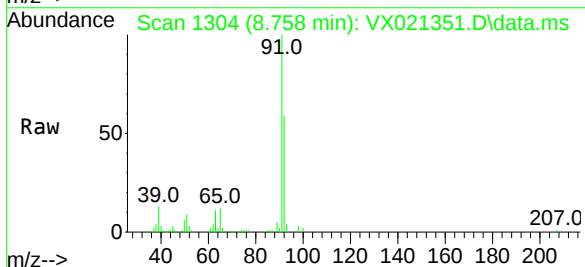
Instrument :
MSVOA_X
ClientSampled :

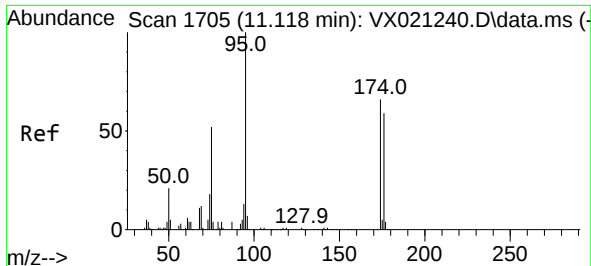
Tgt Ion: 92 Resp: 24160
Ion Ratio Lower Upper
92 100
91 178.0 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 0.25 ug/l
RT: 8.758 min Scan# 1304
Delta R.T. -0.265 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

Tgt Ion: 75 Resp: 393
Ion Ratio Lower Upper
75 100
77 122.9 24.9 37.3#

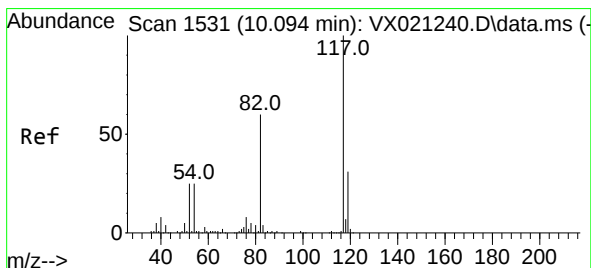
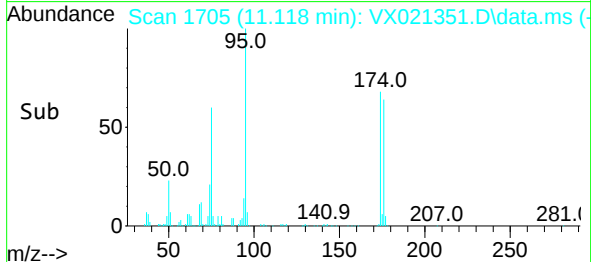
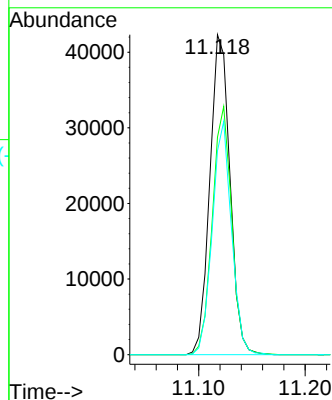
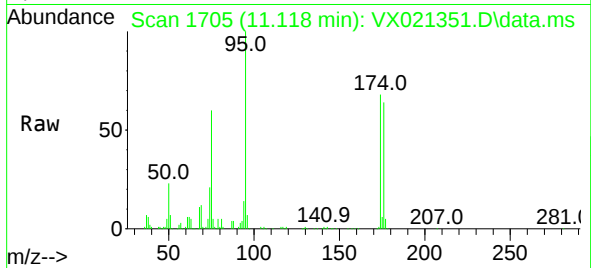




#62
4-Bromofluorobenzene
Concen: 43.11 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

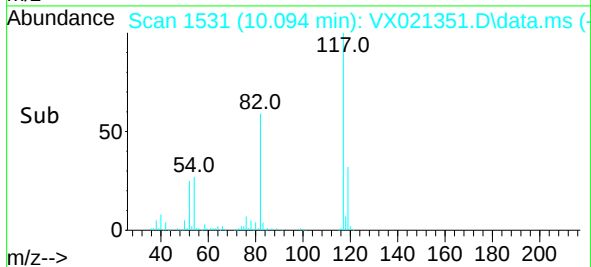
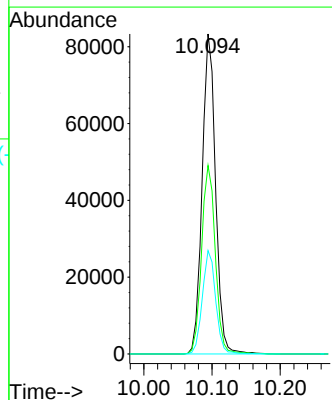
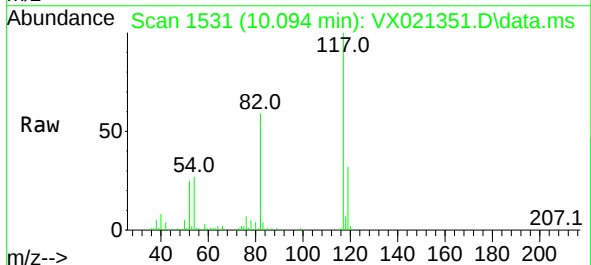
Instrument :
MSVOA_X
ClientSampleId :

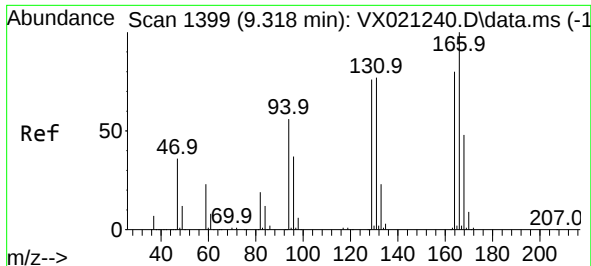
Tgt Ion: 95 Resp: 55455
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.6
176 69.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

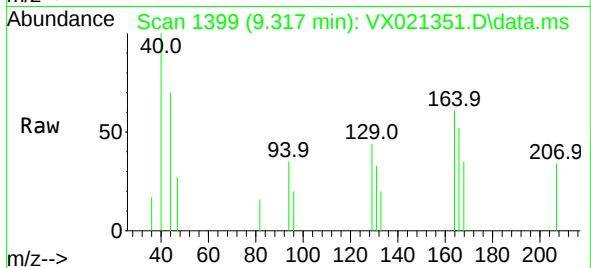
Tgt Ion: 117 Resp: 113871
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.3 26.6 39.8



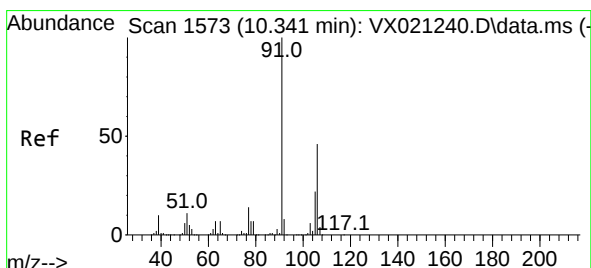
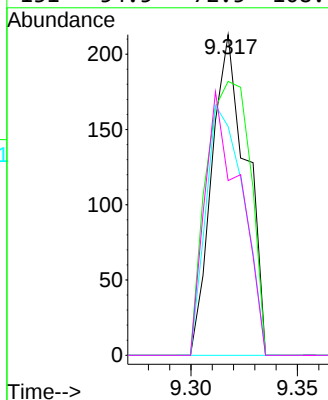
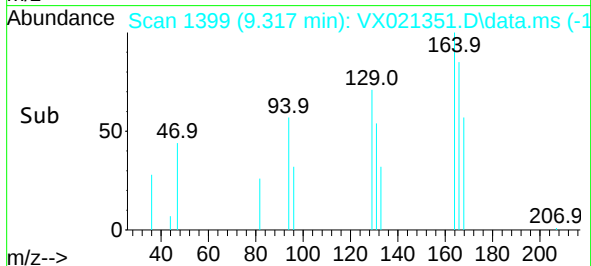


#64
Tetrachloroethene
Concen: 0.28 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40

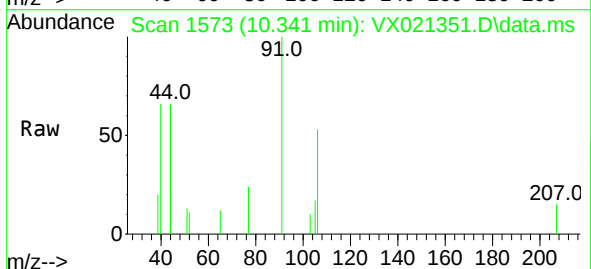
Instrument :
MSVOA_X
ClientSampled :



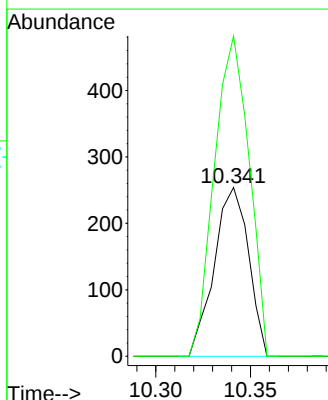
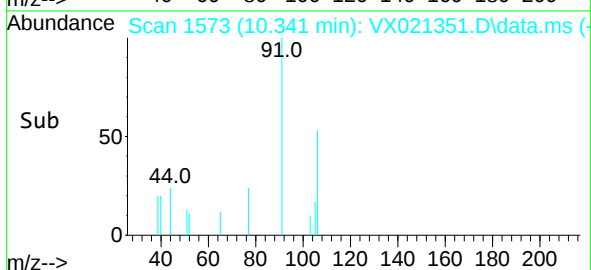
Tgt Ion:164 Resp: 240
Ion Ratio Lower Upper
164 100
166 85.4 103.4 155.2#
129 71.4 70.8 106.2
131 54.5 72.5 108.7#

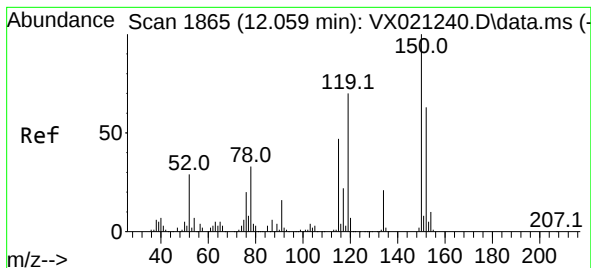


#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021351.D
Acq: 22 Mar 2021 12:40



Tgt Ion:106 Resp: 320
Ion Ratio Lower Upper
106 100
91 192.2 162.8 244.2

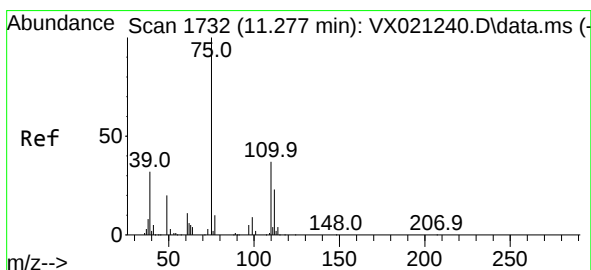
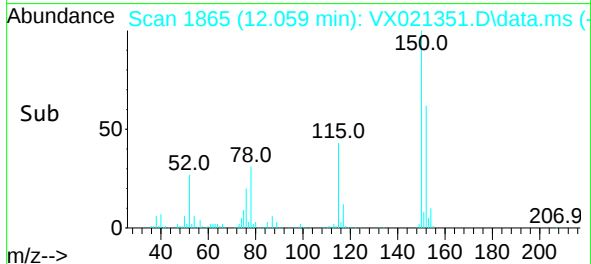
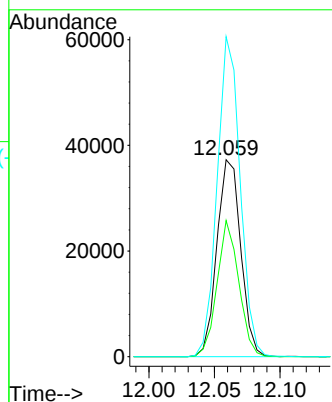
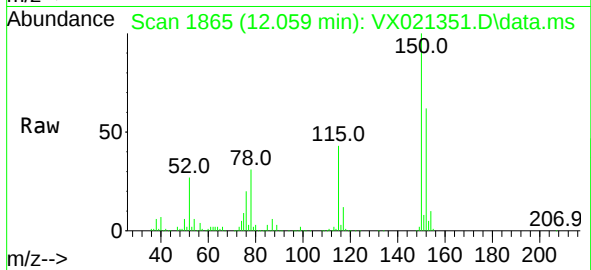




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. -0.000 min
 Lab File: VX021351.D
 Acq: 22 Mar 2021 12:40

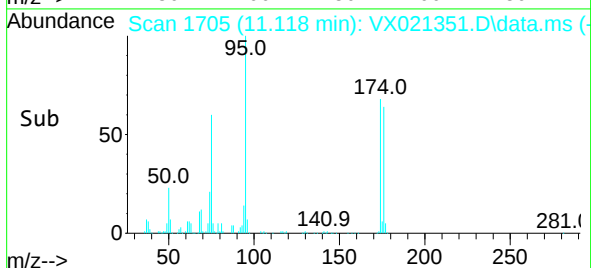
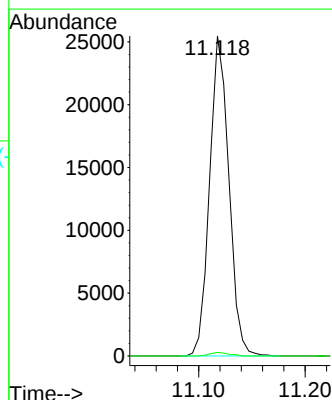
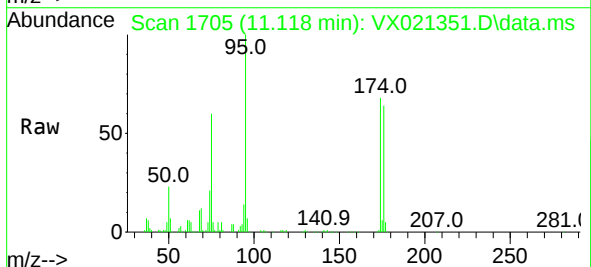
Instrument :
 MSVOA_X
 ClientSampleId :

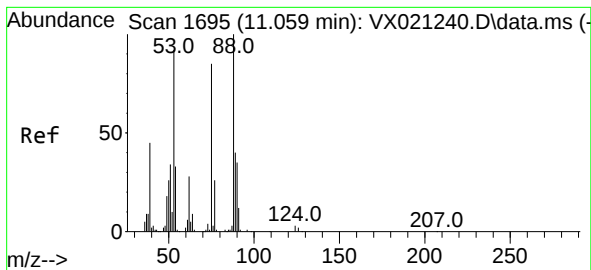
Tgt Ion:152 Resp: 47114
 Ion Ratio Lower Upper
 152 100
 115 62.9 41.1 123.3
 150 156.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.27 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021351.D
 Acq: 22 Mar 2021 12:40

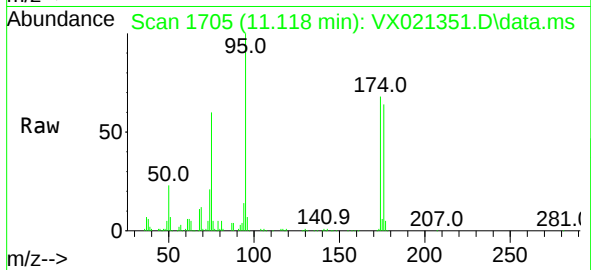
Tgt Ion: 75 Resp: 31992
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.47 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021351.D
 Acq: 22 Mar 2021 12:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31992
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

